1,1

FIGURE 1A

FIGURE 1B

Nucleotide sequence of the partial PP2A-3 from Physcomitrella patens (SEQ ID NO:2) CGGCACGAGGAAGCAGGTTAGAACCTCAATGTGGATCCCGGAGCTAGAGGAAATGG GAGTTTGCTGACAAATAGTATGTTGCTTAATCCAAAGGGCTTGGCACCACGTCTATC ATCAAACGGAGGACCTGTGACACGAGGCATGCCGTAATCAGCCAGGACTTTGTATTT CCTCCTGGAGGCATTCCGTCACTTCATCTTCCCTCGGTAGTAGTTTGGAGTAACGAA ACGACATTAGTTGCGAGATGTAGAAGAGTCTACGCAAACGCTCATGCATATCACATC AACTCCATATCCAACAACAGCGATTGTGAGACATACATATCTGCAGATGATTTGAGA ATAAATTTATGGAACCTTGAAGTTAGTGATCAGAGTTTCAACATTGTTGACATCAAA CCAACAAACATGGAAGACCTTACAGAGGTGATAACGTCTGCAGAGTTCCATCCTACT CATTGCAATGTTAGCATACAGTAGCAGCAAGGGCTCCATTCGACTCATTGATATG CGTCAATCAGCCTTGTGTGATCGACACTCTAAAGCTGTTTTGAGGAAGAACTGGAGCC CATCCTGGATCCAAGATCCTTTTTTTCACAGAAATCCATAGCTTCAATTTCTGACATT AAGTTTGCAAGAGGCGATCGGTACATTCTCCAGTCGGGGACTACATGGACTCTGAA ACTGTGGGATGTGAACATGGAATCTGGTCCCTGTGGCACGTATTTAAAGTCCACGAG CATTTGCGACCAAAGCTTCGTGATCTCTATGAGAACGATTCACCTCCGATAATTGAT **GTGTCCGGGG**

FIGURE 1C

FIGURE 1D

Nucleotide sequence of the partial PP2C-1 from *Physcomitrella patens* (SEQ ID NO:4)

GCACCAGGTTACTGTGGGGCCTCGTCCCCCGGAAGAGCATGTTAGCTGGGGTTAGA

GAGCTAGGGCAGTGAGTGCCGATCATTTTTGCGTCACGCGTATCGATTTGCAAGGGC

GAAGTGCACAAGAGGGATGGGAATTTATCTTTGCTCTCCAAAGACTGACAAGACAT

CCGAAGATGATGAGAATGCCGAGTTACGCTATGGTTTATCAGCCATGCAAGGGTGG

CGCGATAGCATGGAGGATGCACACAAAGCTATCTTAAACGTTGATAAGAACACGTC

AACATCAATATTTGGCATCTTTGATGGTCACGGAGGTAAATTTGGTGGCAAAATTTTG

TGCAAAGCACTTACACCAAGAGGTTCTGAAGTCTGAAGCGTACGCTAAAGGTGACT

TAAAAGCAAGTTTGGAATATTCCTTTTTACGGATGGATGAGATGATGAAGGGAGCA

AGTGGGTGGAAAGAGCTTCAAAGTTTGGAGGAAACAAGTAGTCAGCTTGATAAACT

CGGTAATGGAAATAGCTCCTCTAATGCGAGGGAGGATGACGAAAGTGATTATTCCT

ATGCTGTGCTAACTGAAAGCAATGATAGT

FIGURE 1E

FIGURE 2A

Nucleotide sequence of the full-length PP2A-2 from Physcomitrella patens (SEQ ID NO:6) CATTGTGGGGGGTACCCAGATCATGCTTCAGGGAGGTTTGGAGTGCGCCCAATGGA GCCCTTGACGTTGGCCGTGGCAGATCTGGACCCCGATCTGCTTCAACTCCCTGCGGA TTTCACCCCCTTTGCTTCCTTCATCGTCATCGCCTGCTTCTGTGGGAGTTAGCAAC AAGCTTGGAGGTGTTTGTAGGTTGCACTTGGAGGAGCTTTACGCGCAATGGATTTCG CTGCCCGACACGCAGCGTCTGGTTACGAATTTGTTGGAAGAAGCAAAAGGAGGAGC AAGCACTCCCCGTTGCCTCCTCGGAGCTCTGGTTCACCAATGTCTCCCAGGTCGCC TTTCAGCAGACGTATGGGAACTAGCCACCTCATGCGGGACTCTCCGTTGAAGAAAA GTAGCGAACCTGTGCGAGAGATCATACCCCAGTTCTATTTTCCGAATGGGCCCCCGC CATCGAAGGATACCATTGAGTCGTGCATGGCTCGCGTAAACCAAATATTCGGAGCTC ATCCAGAAGGTTTACCTGCATCAGCATTTGCAACCATTACTAAGGATGTATGCAAAC TACCGTCCTTCTTCTCCATGGCTTTATTCAAAAAGATTGACATCAATAATACAGGCTT GGTTACAAGGGACAAGTTCGTAGAATACTGGGTGGACCAAAACATGCTGGCCATGG ACACTGCAACTCGCGTCTTCACTGTGTTGAAGCAACCCGACAAGAATTTTCTGAGAC AGGAAGATTTTAGGCCCGTTTTACGAGAATTGTTGTTGACGCATCGCGGTTTGGAAT TTCTCCATGACACCCCGGAGTTTCAAGACAGATATGCTGAAAACTGTAATATACAGAA TATTCTACCATGTAAATAGAGCTGGGAATGGTCGGCTACAACTTAGAGAGTTAAAGC GGAGTAATTTAATTGCTGCTCTTCAGCAAGTGGATGAAGAGGAAGACATCAACAAA GTGTTACGTTACTTCTCATATGAACATTTTTATGTCATATATTGCAAGTTCTGGGAGC TGGATTCAGATCACGATTTTTTAATAGACAAAGATGATCTCCTTCGATATGGAAATC

FIGURE 2A

Nucleotide sequence of the full-length PP2A-2 from Physcomitrella patens (SEQ ID NO:6)

Continued

ATGCTCTCACCTACCGAATCGTAGAGCGTATCTTTTCCCAGGTTCCAAGAAAGTTCA CCAGCAAAGTAGCTGGAAAGATGGGTTATGAAGACTTCGTATGGTTTATTCTTTCAG AAGAGGACAAGTCTTCCGAACCCAGCTTAGAGTACTGGTTCAAGTGTGTAGACCTG GATTGTGACGGGATGATTATACTAAATGAGATGCAATATTTTTACGAGGAGCAACTT CATCGGATGGAGTGCATGGCTCAGGAGCCTGTTCTTTTTTGAGGATATCGTTTGTCAA ATGACAGATATGATCGGACCTGCTAATGAAGGACGGTTGACACTTCGGGACTTAAA GCGATGCAAATTATCTGGAAACTTCTTCAATATCCTTTTTAACCTCAACAAATTCGTA ACTGAGTGGGATCGATTTGCACACATTGAGTACATCCGACTTTCAATGGAAGAAGAT GGCGAGGATGCCTCCAACGGCAGTGCTGAAGTCTGGGATGAGCCTGGTTACGAAGC CCCCTTTTAACCTTCTGTTGTCCCTCAAGATCCAGGCATTTGAATCATCAGAGCAGA GACGGACGCACGAAGAATTGCCTGCTGGACTTTTAAGAAAACTGGTCTGTGCAAC AGGGGGACCCTGTCTCTACTTTAAAATCAGACAATGCATGTGACATTTGTACAGTTC ACAAATGGCAGCATTTATCTATTTAGGAAGTCCTTCAACATTATATCTTTCAGGTCTC CAGCTCGCCATTTACGGGTGCTACTGTAACTCGAGTCCTTGTGCAAGAATCATGAAG AATACTGAGCATGGCGACGTCCAAAACTTCGAGACAACGTCAAAGAACTACTTGAC CGGTCTCTCAACAAGTTCTGTTACTTAAGTGCACAGCACTGGGGTAGCCCTCTTGCTT TCAAAATCACTGTGTGACACTGTAGCTACTACTTCAGGGAAATTGATGTTGGGCA TTCTAGGCCTTCTGAGCTTTTTTTGCAGGTCTTTTTTGATGGTCTCCGTCACGTTATTTG

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FIGURE 2A

Nucleotide sequence of the full-length PP2A-2 from Physcomitrella patens (SEQ ID NO:6)

Continued

TTTAGGAATGAAGCAGCCTGCCCAGGATAGTGATGTAGACATGGTCCCGTTTCTGAT
CTTCTCAATCAGGCTTAACCATGCAGTAATTAAGCAGGTAGGCACAGTGTGCTCAAC
ACGTAATCCCCTTCCCACACTAGTCTTCTCTGTAGACTCTTTATTTCAGCTTTTGATCC
GGAACTTAAAGCTTTTGACTGGTTCAGCCCGAGGCTGGTAGCGTTAACGC

FIGURE 2B

Nucleotide sequence of the full-length PP2A-3 from Physcomitrella patens (SEQ ID NO:7) ATCCCGGGTGGTGGCGGTGAAGTTATTACCCGAGAGCTTCGACAGCTTCACGCA CCGCGATGCAAGCTTCTCAACGAGCCGTTGGAAGCTTCGTGTGGTGGAGTGTGGAA ACTGCCGGAGCTCCGTAACCATGCGGGGTTCATGGAAGTGGTGGCTGCCAATTCGG AGGCGGATTTCAATGTGGTAGAGTTTTGGACTTAGAGTTTTGTAGGAGGAGGGGTTGA AGTGTGGGCCAAGTGTTGGGGCTCCTGAAACAGGGGAAAAAGAAAAAGAGACGACG ACGCCGGAGATTGGAGATTGAGGTGTGTGTGTGTGTTTTGTGGTTAGTTTAGCGGT TTGAAGTGATCAGTGGTGCAAGCGGGGCACCCGCTGGGGCCCCAGTTCCCACT GCTACTGGTTCTGTTGCCGCCCATTGCCCGCGTTGGAGTGGAAATTCTCGCAGGTTT TCGGCGAGCGTGCCATCGGAGAGGAAGTGCAAGAAGTTGATATTATCTCGGCTATT GAGTTTGATAAGACTGGAGAACATTTGGCGACTGGCGACAGAGGAGGACGCGTTGT ACTTTTTGAGAGAACAGATGGCAAAGATCAAAGGACACGGAGAGAGTTGGAAAGA GCTGATTCTGCGGGGTCCAGGCATCCTGAATATCGATACTCTACCGAGTTTCAAAGT CATGAACCAGAGTTTGATTACTTGAAGAGGTTTTGGAAATAGAGGAGAAGATCAATAA AATTAGATGGTGTCAGACTGCCAACGCCGCTCAGTTCTTAATTTCTACGAATGACAA AACCATTAAATTATGGAAGGTGACTGAAAAGAAAGTGAAGCAAGTCAAGAACCTGA ATGTGGATCCTGGAGCCAGAGGGAATGGAAACCCATTGTCGAATAACATGATGCTC AATCCAAAGGGTTTTGCACCACGGTTGTCGATGAATGGAGTTGCCGCGAACCGATCT ACGCCTGCCATCAGCCCTGACTTTGTATTTCCTCCTGGAGGCATTCCGTCTCTTCATC TTCCCTCGGTATGGAGTAACGAGACGGCATTAGTTGCGAGATGTAGAAGAGCCTAC GCAAACGCTCATGCATATCATCTAACTCCATATCTAACAACAGCGATTGTGAGACA

FIGURE 2B

Nucleotide sequence of the full-length PP2A-3 from Physcomitrella patens (SEQ ID NO:7)

Continued

TACATCTCTGCAGATGATTTGAGAATAAATTTATGGAATCTTGAAGTTAGTGATCAG AGTTTCAATATTGTTGACATCAAACCAACAACATGGAAGACCTTACAGAGGTGAT AACGTCTGCAGAGTTCCATCCTTCTCATTGCAATGTGTTAGCATACAGTAGCAGCAA GGGCTCTATTCGACTCATTGATATGCGTCAATCAGCCTTGTGTGATCGACATTCAAA GCTGTTTGAGGAGACTGAGCATGCTGGATCAAGATCCTTTTTTTACAGAAATCATAGC TTCTATTTCTGATATTAAGTTTGCGAGAGGCGGTCGGTACATTCTGAGTCGGGACTA CATGACTCTGAAATTGTGGGATGTGAACATGGAATCTTCCCCTGTGGCCGTATTTAA AGTCCACGAGTATTTGCGTCCAAAGCTTTGTGATCTCTATGAGAACGACTCCATCTT CGACAAGTTTGAATGTTGTCTTAGTGGGGATGGCATGCGTGTGGCAACTGGTTCCTA CAGCAACTTGTTCCGGGTGTTTTGGGGCCGCTACCGGAAGTGAGGAAGCGTCAACCTT GTCGACTAGCCAATCTTGCTCGTGGTCGGCGTGATAACCGTCGAGGTGGAGAAAGC CCAGGTATAGATTTGAATGGGGGAGTGCAAGATTTCACATCAAAGCTTTTTGCACTTA GCATGGCATCCAGCAGCGAATGTGATCGCTTTCGCGCTAGCGCGTTGCTCGCTGCAT CCAACAGCTTGTACATGTTAACGC

FIGURE 2C

Nucleotide sequence of the full-length PP2A-4 variant from *Physcomitrella patens* (SEQ ID NO:8)

GGCGTTAACGCGCGGAGGAGAGCGGATCGGTTAGGGTTTTGGTGCCAGGGGGGAGGG CAGAGGTTGGGACAATGCCGTCATATGCAGATGTAGACCGGCAGATAGAGCAGCTG TCGGAGTGCAAGCCGTTGTCGGAGTTGGAGGTGAAGAACCTATGTGATCAAGCTCG GACGATCTTGGTGGAGGAGTGGAACGTGCAGCCCGTGAAGTGTCCTGTCACGGTTTG CGGTGACATCCATGGCCAGTTTCATGATCTCATCGAGCTTTTCCGCATAGGAGGCAA GGCGCCCGACACGAACTACTTGTTCATGGGCGACTATGTGGATCGTGGATATTATTC TGTCGAGACTGTCGCTCTTAGTGGCCCTGAAGGTGCGGTATAGGGATAGGATCAC AATCTTGCGAGGGAACCACGAGAGCAGGCAGGTATACGCAAGTATATGGTTTCTATG ATGAATGCCTGCGGAAGTATGGAAATGCGAATGTTTGGAAGTACTTCACGGATCTGT TCGACTACCTGCCTCTGACAGCTCTCATTGAGCACGAGATTTTTTTGTCTTCATGGTGG TCTGTCTCCATCGCTCGACACATTAGATCACATCCGAGCCCTAGATCGTATTCAAGA AGTGCCGCACGAGGCCCCGATGTGTGATCTACTCTGGTCTGATCCAGATGATCGTTG TGGATGGGGCATTTCACCACGAGGTGCCGGTTATACTTTTGGTCAAGATATTGCAGA GCAGTTCAATCATACCAATGGTCTAAGTTTGGTTGCACGTGCTCACCAGCTTGTGAT GGAAGGATACAATTGGTGCCAGGATAAAAATGTTGTCACAGTTTTCAGTGCCCCCAA ATCGGTCTTTTCTTCAGTTCGAACCAGCACCGCGGCAAAGTGAACCAGATGTGACGC

FIGURE 2C

Nucleotide sequence of the full-length PP2A-4 variant from *Physcomitrella patens* (SEQ ID NO:8)

Continued

ACTTGCTCCTCTGTTCATTAAAAGTTGCCTTCAGAACAACTGAGATGTTGTGAATG
TAACTGCGACAAGAGGAGCAGTGTCAATGGTTGCAAGGGTTATAGTGATTAGGGAA
AGAAGGTAGCACATGTTACTTCAAATCGATCAGAGACTTCTATGGAAAAAGATGACG
ATGGTGGAAACAACGTTCATCTCCACACCTACTGTATATGGCATGCTCGAGCTCGC

FIGURE 2D

Nucleotide sequence of the full-length PP2C-1 from Physcomitrella patens (SEQ ID NO:9) GCGATATCGATTTGCAAGGGCGAAGTGCACAAGAGGGATGGGAATTTATCTTTGCTC TCCAAAGACTGACAAGACATCCGAAGATGATGAGAATGCCGAGTTACGCTATGGTT TATCAGCCATGCAAGGGTGGCGCGATAGCATGGAGGATGCACACAAAGCTATCTTA AACGTTGATAAGAACACGTCAACATCAATATTTGGCATCTTTGATGGTCACGGAGGT AAATTGGTGGCAAAATTTTGTGCAAAGCACTTACACCAAGAGGTTCTGAAGTCTGAA GAGATGAAGGGAGCAAGTGGGTGGAAAGAGCTTCAAAGTTTGGAGGAAACAA GTAGTCAGCTTGATAAACTCGGTAATGGAAATAGCTCCTCTAATGCGAGGAGGAT GACGAAAGTGATTATTCCTATGCTGTGCTAACTGAAAGCAATGATAGTAACTTGGCC ACTAAAAAGCATAAATATTCAGATTTCCAGGGTCCCATTTATGGGAGTACTGCAGTG GTGGCTCTGATTCGTGGCAATAAACTGTTCGTCGCAAACGCTGGAGACTCTCGCTGC ATAATGTCTCGACGTGGCGAGGCTGTAAATCTCTCGATTGATCACAAACCCAACCTA GAGCATGAGAGAAAAGGATAGAGAGTGCTGGAGGCTTCGTCCATGGTGGTCGTGT TAACGGTAGTCTAAATCTTACAAGAGCAATAGGGGACATGGAATTCAAGGGTCGAC CTGATTTGCCACCTGACAAGCAAGTAGTGACGTGCTGTCCCGATGTTGTCGAAGTTG ACCTTGGACCCGGGGATGAATTTATCGTGCTGGCCTGTGATGGAATATGGGATGTTA TATCATCTTTGTGAGGAGATACTGGATTACTGCTTGTCCCCAACCACCCGCCAGC GCAGCATCTTCCACAGATTGACGTTGATGACCTTCGTCGGACGCTGGAGCTCAA AACTCATTGTGGACTTCAACTTCTGAGTTCAAAGTTCCTTGTAGACTTCTTGTCATGT

FIGURE 2D

Nucleotide sequence of the full-length PP2C-1 from Physcomitrella patens (SEQ ID NO:9)

Continued

CCAACTTCTACCTAATTTCGAATTTCAAAAGACTTAAATATAAACCTAGATATAGGC
TGATCATAAAAATTTCGGGTCAAAGGCGTTATGGTCTTCTATTCAAATATAAGGTGAA
TTAATGCTAAAAACTGGGAGTTGCCTTCTGCCTTCGATATCGC

FIGURE 2E

Nucleotide sequence of the full-length PP2C-2 from Physcomitrella patens (SEQ ID NO:10) AGTCGAATGTACAGGAAGAAGCGAAAAGGATATGGAGTGGAAATATGAAGAAGCT GGTTGAAGAAGACGTCTGAGAGATGGTAGAGTGGGTAATGAAGATGTTGATGGCA TGTTGGCGTCCGGTGCAAAAATACACGCACCTGGGGGAGGAGAATGGAGATAACCA CGACCCACTGCTGTGGCACAAAGATTTGGGTGATCATGCCGCAGGACAGTTTTCTAT TGCCGCAGTTCAGGCGAATGCTATCTTGGAGGACATGGTCCAAGTGGAAACTGGAC CGTTTGGTACCTTTGTTGGGGTGTACGATGGCCATGGTGGCCCGGAAGCTTCTCGTT ACGTCAATGACAGTTTGTACCGCCATTTACAGAAATTTGCCACCCAACATGGGGGAA TGTCTAGTGAGGTTCTTCAGCAAGCCTTTAAGCAGACCGAGGAGGGGTTTTTTGGAAA TCGTAAGGGATTCATGGCTCACGAAGCCCCAGATTGCTGCCGTTGGTTCCTGTTGCC TGGTAGGTGTGGGGAGTGTAAGCTGTACATCGCCAGCCTGGGTGATTCTAAGG CTGTGCTCGGTAGATTCTCTCGCAATTTGCAATCAGTAATTGCGACGGAGATATCCA CTGAGCATAACGCCAGTGTTGAGGCTGTTAGGCAGGACCTGCAAGCTGCGCATCCTG ATGACCCGCGCATTGTTGTGCTGAGGCACGGAGTGTGGCGTGTGAAGGGTTTGATTC AAGTCTCTCGATCCATTGGCGACGTTTATCTGAAGAAGGCTGAGTTCAACCGTGAGC CTCTAATCGGCCGGTTCCGCCTGCCAGAGCCGCTCCAGAGACCCGTCATGAGCGCCG AGCCGGACATCCGAGTAATCGATCTGACCCCAGATGTGGAGTTTGTGATTTTTGCAT CAGATGGGTTGTGGGAGCACTTGTCCAACCAAGAGGCTGTGGATATTGTTCACAAAT ACCCGCGCGCTGGCATCGCCAGGCAGCTCATTCGATACGCTCTTCATGAAGCGGCCA AGAAGCGAGAGATGCGGTACTCGGATCTGAAGAAGATCGAGCGTGGTATCCGGAGA CACTTTCATGACGACATCACAGTGGTAGTCGTCTTCTTAGATCATAATTTGGTTAGCA

FIGURE 2E

Nucleotide sequence of the full-length PP2C-2 from Physcomitrella patens (SEQ ID NO:10)

Continued

ATGGTAGTGGTATCTCGCATCACATTTCTGTGAAAGGTGGAGTTGACAAACCTTCTT
GAAAAGGGGTCGTAGGTACTCTCCATGGTATCTTGCAGGTTTTTGTCACATGAAACTT
CCCCCTTTCGCACGATGGGGTAGAAGTGATTGCTCCTTTGAAGCTACACCTCCCTGC
AACCCAATCGTCTGTCGAACCTGAAGCTAGACACCCACAGGAGCTTGC

FIGURE 3A

Deduced amino acid sequence of PP2A-2 from *Physcomitrella patens* (SEQ ID NO:11)

MHCGGYPDHASGRFGVRPMEPLTLAVADLDPDLLQLPADFTPFASPSSSSPASVGVSNK

LGGVCRLHLEELYAQWISLPDTQRLVTNLLEEAKGGAGHPNVGLSLLPGHLSGAAGSTP

PLPPRSSGSPMSPRSPFSRRMGTSHLMRDSPLKKSSEPVREIIPQFYFPNGPPPSKDTIESC

MARVNQIFGAHPEGLPASAFATITKDVCKLPSFFSMALFKKIDINNTGLVTRDKFVEYW

VDQNMLAMDTATRVFTVLKQPDKNFLRQEDFRPVLRELLLTHRGLEFLHDTPEFQDRY

AETVIYRIFYHVNRAGNGRLQLRELKRSNLIAALQQVDEEEDINKVLRYFSYEHFYVIYC

KFWELDSDHDFLIDKDDLLRYGNHALTYRIVERIFSQVPRKFTSKVAGKMGYEDFVWFI

LSEEDKSSEPSLEYWFKCVDLDCDGMIILNEMQYFYEEQLHRMECMAQEPVLFEDIVCQ

MTDMIGPANEGRLTLRDLKRCKLSGNFFNILFNLNKFVAFETRDPFLIRQEREDPSLTEW

DRFAHIEYIRLSMEEDGEDASNGSAEVWDEPGYEAPF*

FIGURE 3B

Deduced amino acid sequence of PP2A-3 from *Physcomitrella patens* (SEQ ID NO:12)

MISGASGAPAGAPVPTATGSVAAPLPALEWKFSQVFGERAIGEEVQEVDIISAIEFDKTGE

HLATGDRGGRVVLFERTDGKDQRTRRELERADSAGSRHPEYRYSTEFQSHEPEFDYLKS

LEIEEKINKIRWCQTANAAQFLISTNDKTIKLWKVTEKKVKQVKNLNVDPGARGNGNPL

SNNMMLNPKGFAPRLSMNGVAANRSTPAISPDFVFPPGGIPSLHLPSVWSNETALVARC

RRAYANAHAYHINSISNNSDCETYISADDLRINLWNLEVSDQSFNIVDIKPTNMEDLTEVI

TSAEFHPSHCNVLAYSSSKGSIRLIDMRQSALCDRHSKLFEETEHAGSRSFFTEIIASISDIK

FARGGRYILSRDYMTLKLWDVNMESSPVAVFKVHEYLRPKLCDLYENDSIFDKFECCLS

GDGMRVATGSYSNLFRVFGAATGSEEASTLEASKTPNRRIVTPPSKAGSRLANLARGRR

DNRRGGESPGIDLNGGVQDFTSKLLHLAWHPAANVIAFALARCSLHPTACTC*

FIGURE 3C

Deduced amino acid sequence of PP2A-4 from *Physcomitrella patens* (SEQ ID NO:13)

MPSYADVDRQIEQLSECKPLSELEVKNLCDQARTILVEEWNVQPVKCPVTVCGDIHGQF

HDLIELFRIGGKAPDTNYLFMGDYVDRGYYSVETVSLLVALKVRYRDRITILRGNHESR

QITQVYGFYDECLRKYGNANVWKYFTDLFDYLPLTALIEHEIFCLHGGLSPSLDTLDHIR

ALDRIQEVPHEGPMCDLLWSDPDDRCGWGISPRGAGYTFGQDIAEQFNHTNGLSLVAR

AHQLVMEGYNWCQDKNVVTVFSAPNYCYRCGNMAAIMEIDETMNRSFLQFEPAPRQS

EPDVTRKTPDYFL*

FIGURE 3D

Deduced amino acid sequence of PP2C-1 from Physcomitrella patens (SEQ ID NO:14)

MGIYLCSPKTDKTSEDDENAELRYGLSAMQGWRDSMEDAHKAILNVDKNTSTSIFGIFD
GHGGKLVAKFCAKHLHQEVLKSEAYAKGDLKASLEYSFLRMDEMMKGASGWKELQSL
EETSSQLDKLGNGNSSSNAREDDESDYSYAVLTESNDSNLATKKHKYSDFQGPIYGSTAV
VALIRGNKLFVANAGDSRCIMSRRGEAVNLSIDHKPNLEHERKRIESAGGFVHGGRVNGS
LNLTRAIGDMEFKGRPDLPPDKQVVTCCPDVVEVDLGPGDEFIVLACDGIWDVMSSQAV
VDFVKSRLPTTKTLSSLCEEILDYCLSPTTRQQEGCDNMSIIIVQPKQSGVAASSSTD*

FIGURE 3E

Deduced amino acid sequence of PP2C-2 from *Physcomitrella patens* (SEQ ID NO:15)

MVEWVMKMLMACWRPVQKYTHLGEENGDNHDPLLWHKDLGDHAAGQFSIAAVQAN

AILEDMVQVETGPFGTFVGVYDGHGGPEASRYVNDSLYRHLQKFATQHGGMSSEVLQ

QAFKQTEEGFLEIVRDSWLTKPQIAAVGSCCLVGVVWECKLYIASLGDSKAVLGRFSRN

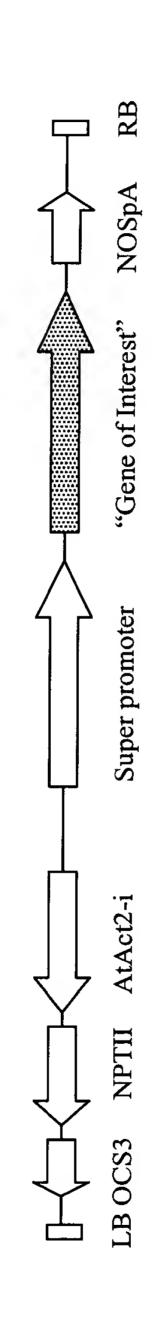
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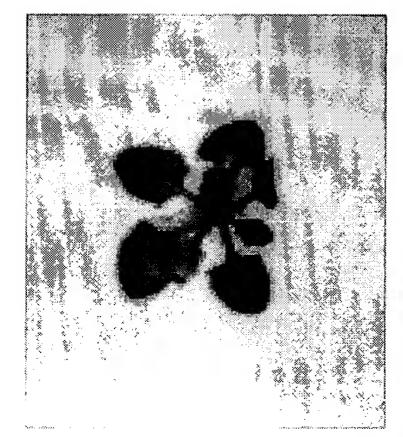
VSNGSGISHHISVKGGVDKPS*

FIGURE 4

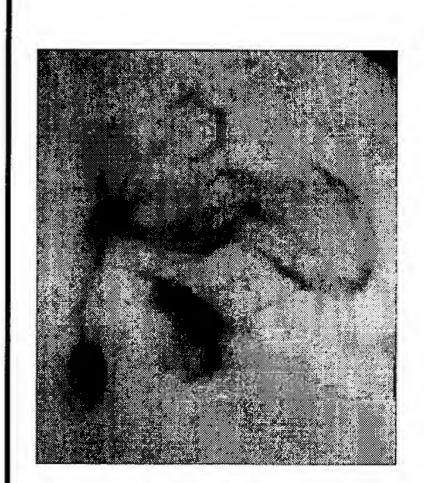




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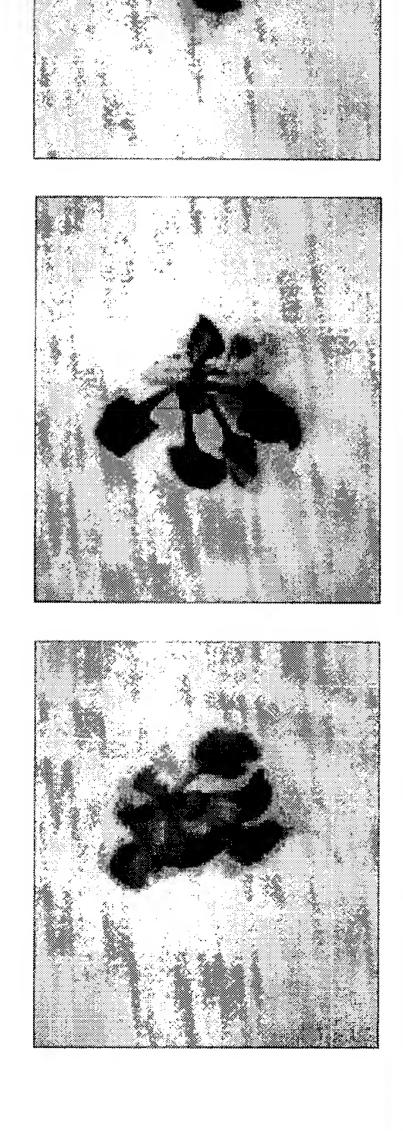


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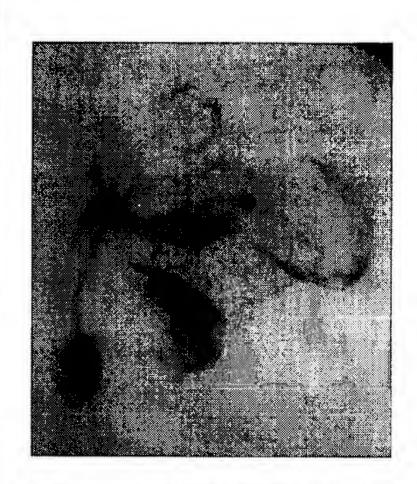










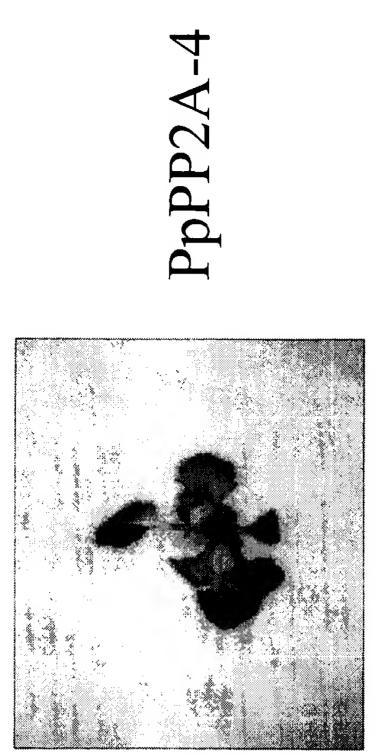




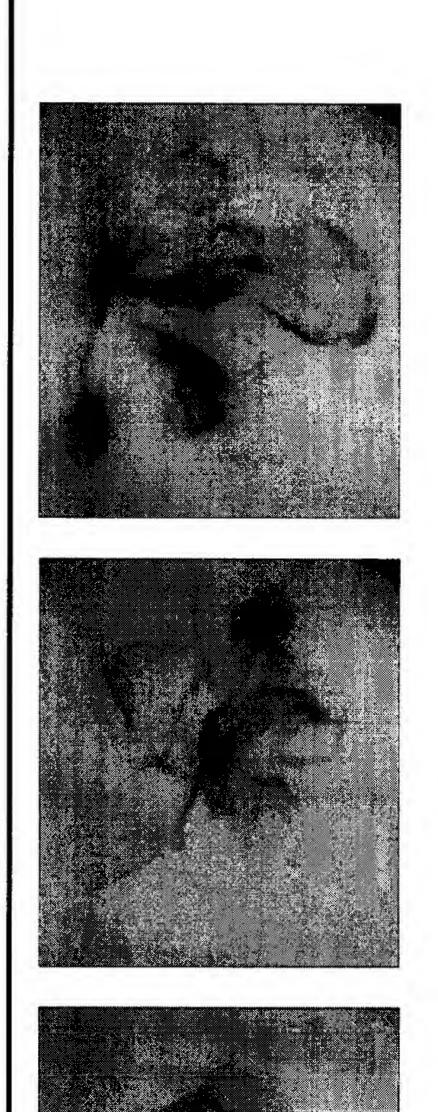


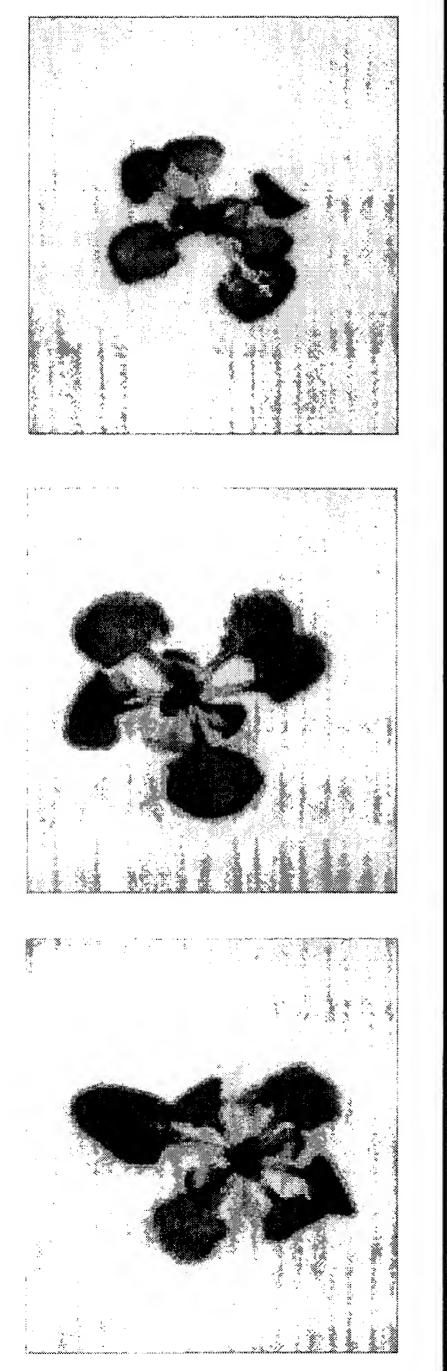
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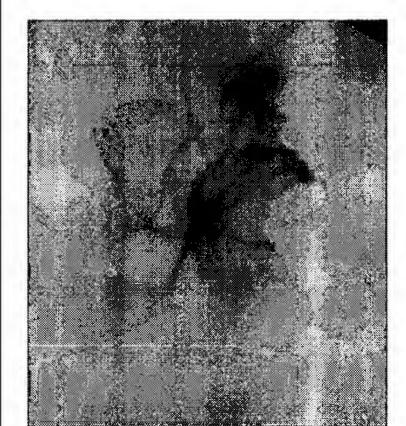






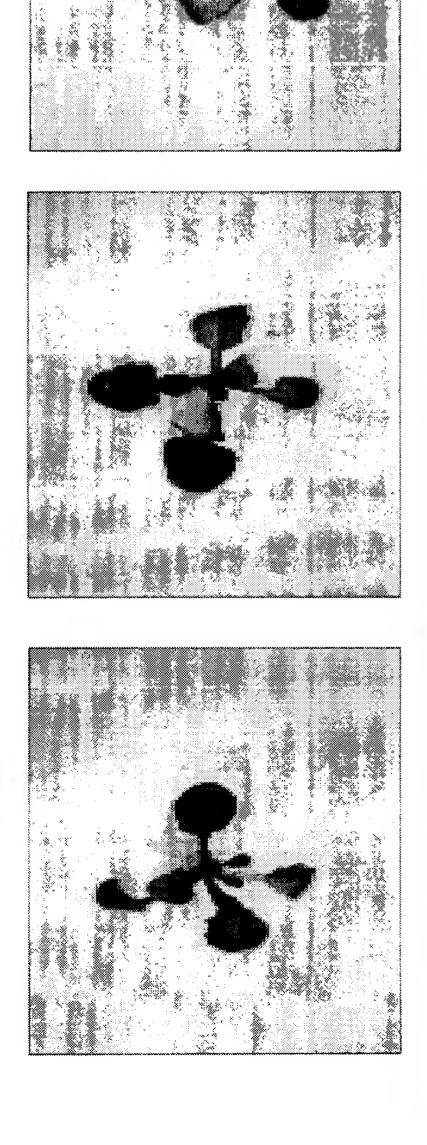


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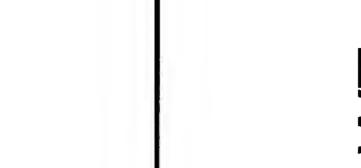


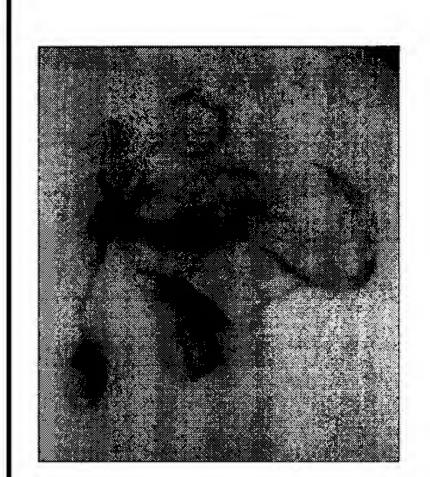






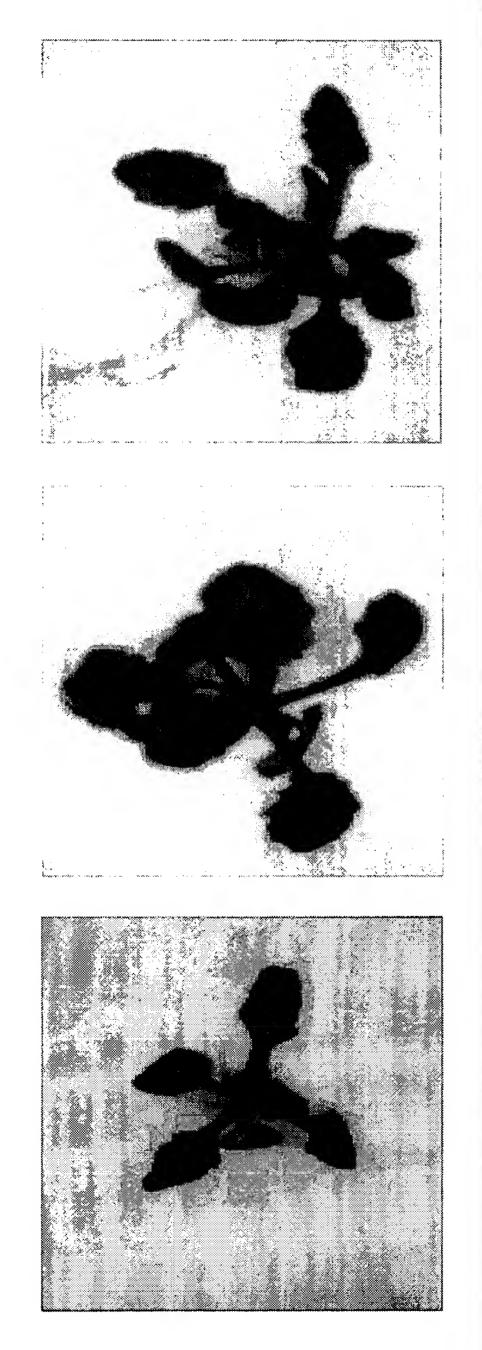
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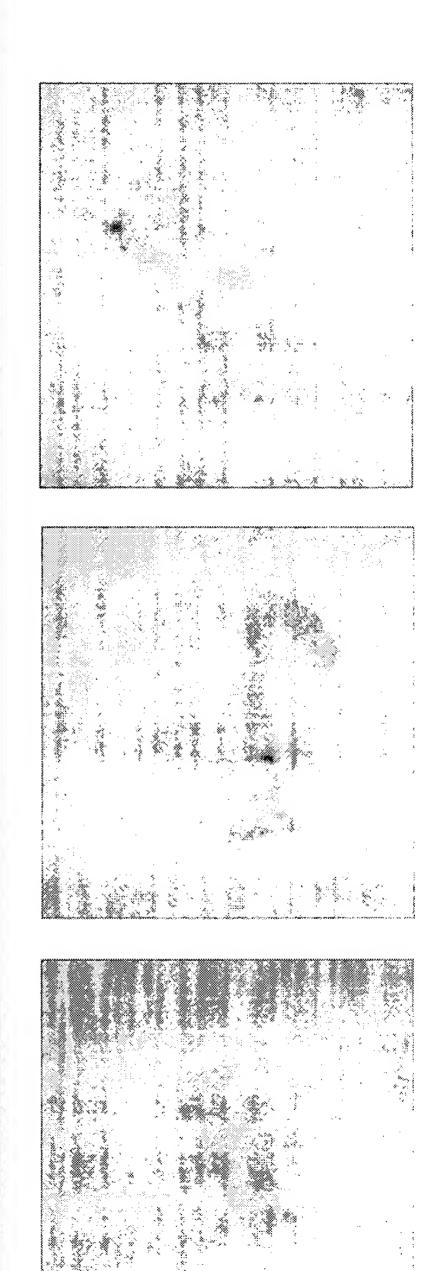




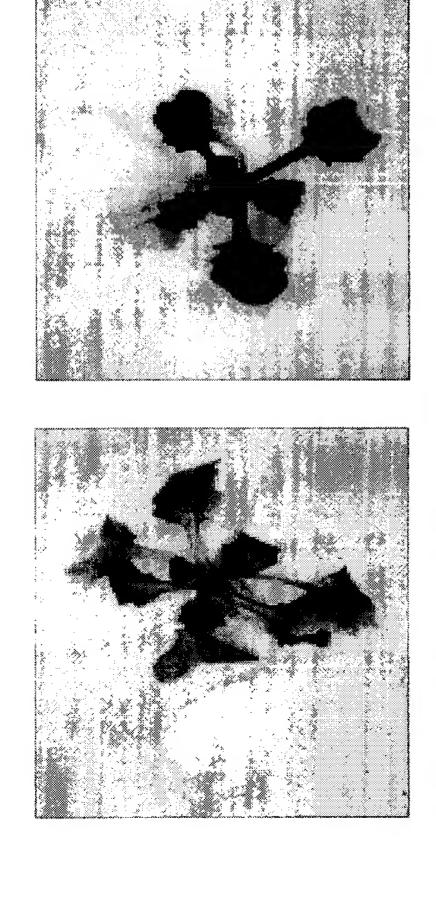


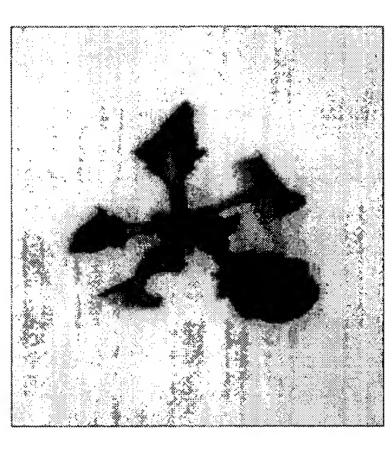






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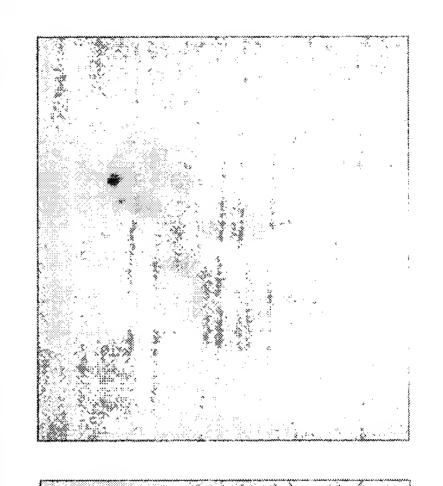


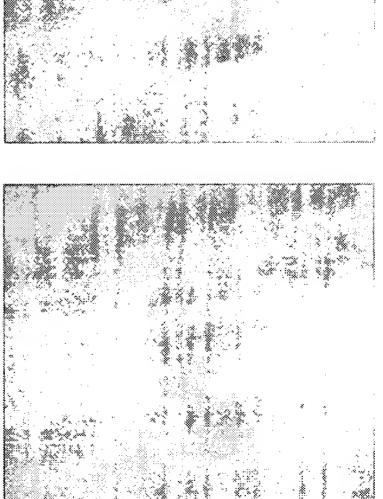


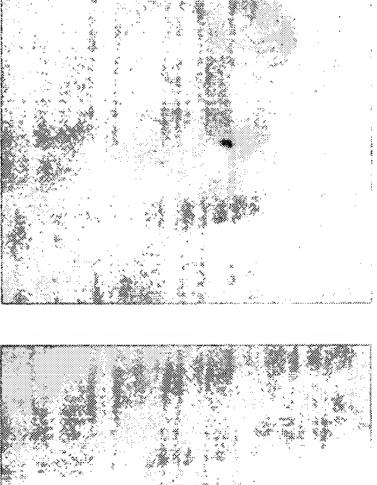


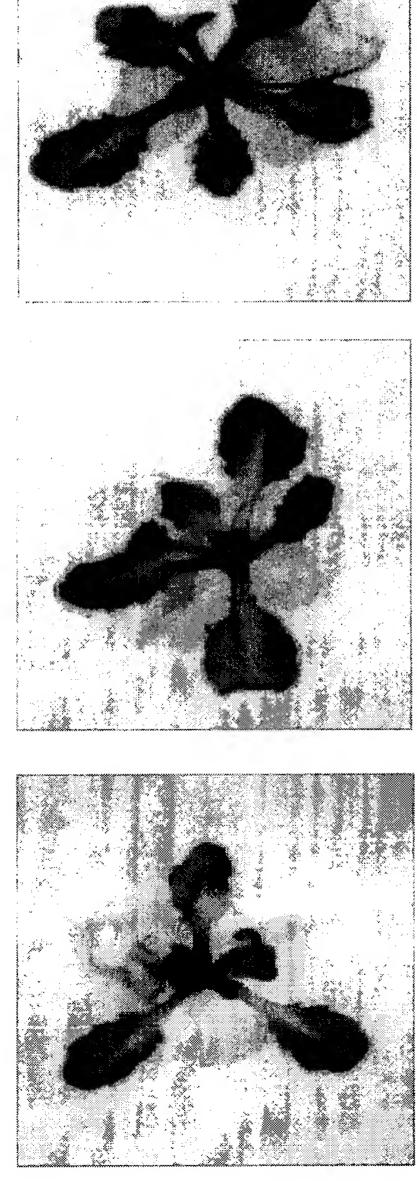
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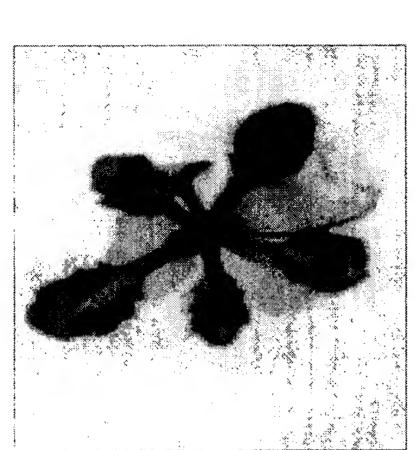












PpPP2C-1







